

LITEN BB 38

Polyethylene Copolymer
UNIPETROL RPA

Message:

LITEN BB 38 is a copolymer with medium molecular weight distribution. It exhibits good impact strength and toughness. Typical application is manufacture of containers up to 5 liters. The grade is suitable for manufacture of packages for pharmaceutical purposes.

LITEN BB 38 meets the hygienic requirements on materials and articles intended for contact with foodstuffs according to Regulation (EC) 1935/2004 of the European Parliament and of the Council, as well as according to Commission Regulation (EU) No 10/2011 including changes and additions.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Toughness		
Uses	Pharmaceutical Packaging		
Agency Ratings	EC 1935/2004		
	EU 10/2011		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.50	g/10 min	
190°C/21.6 kg	25	g/10 min	
190°C/5.0 kg	1.8	g/10 min	
Environmental Stress-Cracking Resistance (50°C, 100% Detergent, F50)	15.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	11	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.5	kJ/m ²	
23°C	10	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306

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